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DATE: Friday, January 20, 2006

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L17	(L4 same expression same L12)	0
<input type="checkbox"/>	L16	(L3 same expression same L12)	4
<input type="checkbox"/>	L15	L5 and L12 and production	1661
<input type="checkbox"/>	L14	L3 and dimer	5140
<input type="checkbox"/>	L13	L12 and L3	2405
<input type="checkbox"/>	L12	(serum-free medium)	11738
<input type="checkbox"/>	L11	L2 and L5	2185
<input type="checkbox"/>	L10	L2 and L4	2291
<input type="checkbox"/>	L9	L2 and L3	3060
<input type="checkbox"/>	L8	L1 and L5	0
<input type="checkbox"/>	L7	L1 and L4	0
<input type="checkbox"/>	L6	L1 and L3	0
<input type="checkbox"/>	L5	L4 and dimer	3210
<input type="checkbox"/>	L4	diabody	4162
<input type="checkbox"/>	L3	(single chain Fv)	8214
<input type="checkbox"/>	L2	(serum free medium)	15327
<input type="checkbox"/>	L1	(serum (w) free (w) medium)	0

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040258684 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 4

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040258684

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040258684 A1

TITLE: Agonist antibodies

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukushima, Naoshi	Gotemba-shi		JP
Tsuchiya, Masayuki	Gotemba-shi		JP
Oh-eda, Masayoshi	Gotemba-shi		JP
Uno, Shinsuke	Gotemba-shi		JP
Kikuchi, Yasufumi	Gotemba-shi		JP
Ohtomo, Toshihiko	Gotemba-shi		JP

US-CL-CURRENT: [424/132.1](#); [435/7.1](#), [530/387.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 2. Document ID: US 20040242847 A1

L16: Entry 2 of 4

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040242847

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040242847 A1

TITLE: Degraded agonist antibody

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukushima, Naoshi	Gotemba-shi		JP
Tscuchiya, Masayuki	Gotemba-shi		JP

Uno, Shinsuke	Gotemba-shi	JP
Ohtomo, Toshihiko	Gotemba-shi	JP
Yabuta, Naohiro	Niihari-gun	JP
Tsunoda, Hiroyuki	Niihari-gun	JP

US-CL-CURRENT: 530/387.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20040091475 A1

L16: Entry 3 of 4

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040091475
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040091475 A1

TITLE: Degraded tpo agonist antibody

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsuchiya, Masayuki	Shizuoka-ken		JP
Ohtomo, Toshihiko	Shizuoka-ken		JP
Yabuta, Naohiro	Ibaraki		JP
Tsunoda, Hiroyuki	Ibaraki		JP
Orita, Tetsuro	Ibaraki		JP

US-CL-CURRENT: 424/132.1; 530/387.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20040058393 A1

L16: Entry 4 of 4

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040058393
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040058393 A1

TITLE: Agonist antibodies

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukishima, Naoshi	Gotemba-shi, Shizuoka-ken		JP
Tsuchiya, Masayuki	Gotemba-shi, Shizuoka-ken		JP

Oheda, Masayoshi	Gotemba-shi, Shizuoka-ken	JP
Uno, Shinsuke	Gotemba-shi, Shizuoka-ken	JP
Kikuchi, Yasufumi	Gotemba-shi, Shizuoka-ken	JP
Ohtomo, Toshihiko	Gotemba-shi, Shizuoka-ken	JP

US-CL-CURRENT: 435/7.2; 530/388.25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D-
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
(L3 same expression same L12)	4

Display Format: [Previous Page](#) [Next Page](#) [Go to Doc#](#)



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[#10](#) Search #8 and #6

[#9](#) Search #8 and #2

[#8](#) Search single chain Fv

[#7](#) Search #1 and #6

[#6](#) Search "serum free medium"

[#5](#) Search serum free medium

[#3](#) Search #1 and #2

[#2](#) Search serum-free medium

[#1](#) Search scFv

Time Result

15:18:17 0

15:18:05 0

15:16:56 544

15:16:46 1

15:11:59 1

15:11:21 1258

15:09:09 1

15:08:52 6379

15:08:40 12574

15:07:12 1

15:02:24 10157

15:02:06 1707

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NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the
IPC reform
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
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=> file biotechabs, bioeng, biotechno, inpadoc
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0.21	0.21

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

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=> s (serum (w) free (w) medium)
L1 3901 (SERUM (W) FREE (W) MEDIUM)

=> s (single (w) chain (w) Fv)
L2 1128 (SINGLE (W) CHAIN (W) FV)

=> s (scFv)
L3 1940 (SCFV)

=> s L1 and L2
L4 0 L1 AND L2

=> s L1 and L3
L5 0 L1 AND L3

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Last logoff: 19jan06 11:29:53

Logon file001 20jan06 15:29:27

*** ANNOUNCEMENT ***

NEW FILES RELEASED

***Index Chemicus (File 302)

***Inspecc (File 202)

***Physical Education Index (File 138)

***Computer and Information Systems Abstracts (File 56)

***Electronics and Communications Abstracts (File 57)

***Solid State and Superconductivity Abstracts (File 68)

***ANTE: Abstracts in New Technologies (File 60)

RELOADS COMPLETED

*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

RESUMED UPDATING

***ERIC (File 1)

Chemical Structure Searching now available in Prouss Science Drug
Data Report (F452), Prouss Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

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>>> of new databases, price changes, etc. <<<

* * *

File 1:ERIC 1966-2005/Dec

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Set Items Description

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Cost is in DialUnits

?

5, 34, 71, 73, 155, 159, 434, 444

>>>Unrecognizable Command

?

?

B 5, 34, 71, 73, 155, 159, 434, 444

20jan06 15:31:21 User290558 Session D10.1

\$1.13 0.323 DialUnits File1

\$1.13 Estimated cost File1

\$0.53 INTERNET

\$1.66 Estimated cost this search

\$1.66 Estimated total session cost 0.323 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2006/Jan W3

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File 34:SciSearch(R) Cited Ref Sci 1990-2006/Jan W2

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File 71:ELSEVIER BIOBASE 1994-2006/Jan W3
 (c) 2006 Elsevier Science B.V.
 File 73:EMBASE 1974-2006/Jan 20
 (c) 2006 Elsevier Science B.V.
 File 155:MEDLINE(R) 1951-2005/Dec 16
 (c) format only 2006 Dialog
***File 155: Medline has resumed updating.**
 File 159:Cancerlit 1975-2002/Oct
 (c) format only 2002 Dialog
***File 159: Cancerlit is no longer updating.**
 Please see HELP NEWS159.
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 444:New England Journal of Med. 1985-2006/Jan W2
 (c) 2006 Mass. Med. Soc.

Set	Items	Description
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?

S (SERUM (W) FREE (W) MEDIUM)		
	2357882	SERUM
	2245267	FREE
	1192724	MEDIUM
S1	29540	(SERUM (W) FREE (W) MEDIUM)

?

S (SINGLE (W) CHAIN (W) FV)		
	3240068	SINGLE
	1841782	CHAIN
	20285	FV
S2	6510	(SINGLE (W) CHAIN (W) FV)

?

S (SCFV)		
S3	8381	(SCFV)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)

?

S S1 AND S2

29540 S1
6510 S2
S4 4 S1 AND S2

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2

?

S S1 AND S3

29540 S1
8381 S3
S5 3 S1 AND S3

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3

?

RD S4; S5

S6 2 RD S4 (unique items)
S710547223 5

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3
S6	2	RD S4 (unique items)
S7	10547223	5

?

RD S4

S8 2 RD S4 (unique items)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3
S6	2	RD S4 (unique items)
S7	10547223	5
S8	2	RD S4 (unique items)

?

RD S5

S9 1 RD S5 (unique items)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3
S6	2	RD S4 (unique items)
S7	10547223	5
S8	2	RD S4 (unique items)
S9	1	RD S5 (unique items)

?

T S8/MEDIUM,K/1-2

8/K/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0015147211 BIOSIS NO.: 200500054276

Rapid purification of a new humanized single-chain Fv antibody/human interleukin-2 fusion protein reactive against HER2 receptor

AUTHOR: Zhang Wei-Yun (Reprint); Yip Tak-Chun; Kwok Cheuk-Sang

AUTHOR ADDRESS: Sch Med, Nanjing Univ, Nanjing, 210093, China**China

AUTHOR E-MAIL ADDRESS: zhangwy@nju.edu.cn

JOURNAL: Acta Biochimica et Biophysica Sinica 36 (10): p707-712 October 2004 2004

MEDIUM: print

ISSN: 1672-9145 _(ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Rapid purification of a new humanized single - chain Fv antibody/human interleukin-2 fusion protein reactive against HER2 receptor

...ABSTRACT: fusion protein (H520C9seFv-rhIL-2). The transfected cells in plateau growing phase were cultured in serum - free medium for three days. The supernatant was collected, concentrated and purified using an affinity column packed...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... serum -- free medium

8/K/2 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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04736393 Genuine Article#: UE135 No. References: 22

Title: THE USE OF SERUM-FREE MEDIUM FOR THE PRODUCTION OF FUNCTIONALLY ACTIVE HUMANIZED MONOCLONAL-ANTIBODY FROM NSO MOUSE MYELOMA CELLS ENGINEERED USING GLUTAMINE-SYNTHETASE AS A SELECTABLE MARKER

Author(s): KEEN MJ; HALE C

Corporate Source: WELLCOME RES LABS,BIOL RES DIV,LANGLEY COURT/BECKENHAM BR3 3BS/KENT/ENGLAND/

Journal: CYTOTECHNOLOGY, 1995, V18, N3, P207-217

ISSN: 0920-9069

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: THE USE OF SERUM - FREE MEDIUM FOR THE PRODUCTION OF FUNCTIONALLY ACTIVE HUMANIZED MONOCLONAL-ANTIBODY FROM NSO MOUSE MYELOMA CELLS ENGINEERED...

...Abstract: ml(-1) producing 76.6 mg l(-1) of antibody. CAMPATH-1H antibody produced using serum - free medium was found to be functionally active in vitro in the Antibody Dependant Cellular Cytotoxicity (ADCC...

Research Fronts: 94-0811 001 (FILAMENTOUS PHAGE DISPLAY; PEPTIDE COMBINATORIAL LIBRARIES; ANTIBODY FRAGMENTS; RECOMBINANT SINGLE - CHAIN FV MOLECULE; IN-VITRO SELECTION; DRUG DISCOVERY)

?

Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3
S6	2	RD S4 (unique items)
S7	10547223	5
S8	2	RD S4 (unique items)
S9	1	RD S5 (unique items)

?

T S8/FULL/2

8/9/2 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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04736393 Genuine Article#: UE135 Number of References: 22

Title: THE USE OF SERUM-FREE MEDIUM FOR THE PRODUCTION OF FUNCTIONALLY ACTIVE HUMANIZED MONOCLONAL-ANTIBODY FROM NSO MOUSE MYELOMA CELLS ENGINEERED USING GLUTAMINE-SYNTHETASE AS A SELECTABLE MARKER

Author(s): KEEN MJ; HALE C

Corporate Source: WELLCOME RES LABS,BIOL RES DIV,LANGLEY COURT/BECKENHAM BR3 3BS/KENT/ENGLAND/

Journal: CYTOTECHNOLOGY, 1995, V18, N3, P207-217

ISSN: 0920-9069

Language: ENGLISH Document Type: ARTICLE

Geographic Location: ENGLAND

Subfile: SciSearch; CC AGRI--Current Contents, Agriculture, Biology & Environmental Sciences

Journal Subject Category: BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Abstract: A protein-free growth medium (W38 medium) had previously been developed for the NS0 mouse myeloma cell line which is cholesterol-auxotrophic. This paper describes the development of a protein-free growth medium for NS0 cells expressing humanised monoclonal antibody using GS (glutamine synthetase) as a selectable marker. Several GS-engineered NS0 cell lines expressing humanised monoclonal antibody grew in a modification of W38 medium which maintained GS-selection, supplemented with cholesterol, phosphatidylcholine and beta-cyclodextrin. Further studies showed that additional glutamic acid, asparagine, ribonucleosides and choline chloride improved cell growth. Amino acid analysis identified a number of amino acids that were being depleted from the culture medium. NS0

cell lines 9D4 and 2H5 expressing CAMPATH-1H* were adapted to enable them to grow serum-free in the absence of cholesterol and beta-cyclodextrin. Cholesterol-independent 9D4 (9D4.CF) cells grown in shake flask culture using an enriched protein-free medium (WNSD medium), supplemented with human recombinant insulin (Nucellin), reached a maximum cell density to 1.86×10^6 cells ml^{-1} producing 76.6 mg l^{-1} of antibody. CAMPATH-1H antibody produced using serum-free medium was found to be functionally active in vitro in the Antibody Dependant Cellular Cytotoxicity (ADCC) assay.

Descriptors--Author Keywords: SERUM-FREE ; MOUSE MYELOMA ; NSO CELLS ; HUMANIZED MONOCLONAL ANTIBODY ; GLUTAMINE SYNTHETASE

Identifiers--KeyWords Plus: CAMPATH-1; ISOTYPE; THERAPY

Research Fronts: 94-0811 001 (FILAMENTOUS PHAGE DISPLAY; PEPTIDE COMBINATORIAL LIBRARIES; ANTIBODY FRAGMENTS; RECOMBINANT SINGLE-CHAIN FV MOLECULE; IN-VITRO SELECTION; DRUG DISCOVERY)

Cited References:

BEBBINGTON CR, 1992, V10, P169, BIOTECHNOLOGY
 BROWN ME, 1992, V9, P231, CYTOTECNOLOGY
 DYER MJS, 1989, V73, P1431, BLOOD
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 HALE G, 1990, V35, P118, TISSUE ANTIGENS
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 PAGE MJ, 1991, V9, P64, BIOTECHNOLOGY
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 SATO JD, 1987, V165, P1761, J EXP MED
 STRYER L, 1988, P290, BIOCHEMISTRY-US
 URLAUB G, 1980, V77, P4216, P NAT ACAD SCI US-B
 WALLACE GR, 1994, V252, P715, PHARM J
 WINTER G, 1991, V349, P293, NATURE

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Set	Items	Description
S1	29540	(SERUM (W) FREE (W) MEDIUM)
S2	6510	(SINGLE (W) CHAIN (W) FV)
S3	8381	(SCFV)
S4	4	S1 AND S2
S5	3	S1 AND S3
S6	2	RD S4 (unique items)
S7	10547223	5
S8	2	RD S4 (unique items)
S9	1	RD S5 (unique items)

?

T S9/MEDIUM,K/1

9/K/1 (Item 1 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
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0015147211 BIOSIS NO.: 200500054276

Rapid purification of a new humanized single-chain Fv antibody/human interleukin-2 fusion protein reactive against HER2 receptor

AUTHOR: Zhang Wei-Yun (Reprint); Yip Tak-Chun; Kwok Cheuk-Sang

AUTHOR ADDRESS: Sch Med, Nanjing Univ, Nanjing, 210093, China**China

AUTHOR E-MAIL ADDRESS: zhangwy@nju.edu.cn

JOURNAL: Acta Biochimica et Biophysica Sinica 36 (10): p707-712 October 2004 2004

MEDIUM: print

ISSN: 1672-9145 _(ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: H520C9seFv-rhIL-2). The transfected cells in plateau growing phase were cultured in serum-free medium for three days. The supernatant was collected, concentrated and purified using an affinity column packed...

?